

# **INDUSTRIAL SAFETY EQUIPMENT**

## **Course Syllabus for**

### **NFPA 70E “Un-Qualified”**

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**Work:** 801 288-4009  
**COURSE NUMBER:** NFPA70E-1  
**CREDITS:** 0.5-3 Variable  
**PREREQUISITE:** None

#### **Transferability**

This technical course is intended to provide training for industry companies employees in areas closely related to NFPA 70E standards. As such, it is not intended to be transferred to other institutions.

#### **Textbooks**

NFPA 70E 2015 (Topics covered from current edition of NFPA70E)  
Students not required having text for class

#### **Required Equipment**

None

#### **Required Outside Reading**

None

#### **Course Description**

This course will provide an introduction to electrical awareness in various industries. Curriculum will be based on industry needs such as public safety, emergency preparedness, and worker protection. This course is for participants in industry such as, Operators, Supervisors, New Hires, or any other personnel that could be in the proximity of an electrical hazard boundary. Students will be introduced to using the NFPA70E “Standard for Electrical Safety in the Workplace” and electrical compliances as outlined by MSHA and OSHA. This course is approved for S/U grading.

#### **Goals for Student Success and Course Objectives**

These goals identified for student success:

- Communicate competently
- Retrieve information
- See issues from multiple perspectives
- Solve problems
- Develop life skills

Upon successful completion of this course, the student will meet the industry companies requirement for the use of the standard NFPA 70E. These requirements consist of:

- How the Company, OSHA, NEC, and NFPA 70E are tied together.
- Understand and describe electric shock and arc hazards.
- Understand the major components of NFPA 70E.

### Course Primary Learning Goals and Integration of the Goals for Student Success

What students will learn (Course Goals)	These Goals will be Addressed	What specific skill will be measured (Course Competencies)	How the skills will be measured (Assessment)
Define how the Company, OSHA, NEC, and NFPA 70E are tied together	Communicate competently Develop life skills	Use proper electrical safety procedures in the workplace	Each student will participate in : <ul style="list-style-type: none"> <li>▪ Classroom discussions</li> <li>▪ Problem solving activities</li> <li>▪ Attendance</li> </ul>
Describe electric shock and arc hazards	See issues from multiple perspectives Solve Problems	Participation and interaction with presentation and issues related to the specific work site	Each student will participate in : <ul style="list-style-type: none"> <li>▪ Classroom discussions</li> <li>▪ Problem solving activities</li> <li>▪ Attendance</li> </ul>
Explain the major components of NFPA 70E	Communicate competently Retrieve information Solve Problems	Use the NFPA 70E as a reference and participate in the responsibilities and determine appropriate PPE and boundaries.	Each student will participate in : <ul style="list-style-type: none"> <li>▪ Classroom discussions</li> <li>▪ Problem solving activities</li> <li>▪ Attendance</li> </ul>

### Methods of Instruction

This course will employ a variety of instructional methods including lecture, demonstration, audio-visual programmed materials and group discussion.

### Methods of Evaluation

Attendance Policy: Attendance will be important for success in this course. Since the class is an event that will either be 1 to 3 days (8 Hour/day, attendance **through the entire event** is the only option for completion of the course.

Grading Policy: This class attendance and participation is the only requirement for completion of the course. No grades will be given. The student will receive either Satisfactory or Unsatisfactory

### **Major Units of Study**

- How the Company, OSHA, NEC, and NFPA 70E entities are tied together
- Understand and describe electric shock and arc hazards
- An overview of the NFPA 70E standard

### **Changes to This Syllabus**

The above schedule and procedures in this syllabus/outline are subject to change. Students will be notified in class of any changes for the course.